

## Claims

- [c1] 1. A method of setting operation channel of wireless local area network access point, comprising the steps of: obtaining the occupation status of various channels in the surrounding; dividing each channel into a plurality of sub-channels and computing to determine in-use weight of each sub-channel according to the occupation status of the channels; and selecting the channel with the most unoccupied sub-channels to serve as an operation channel of the wireless local area network access point.
- [c2] 2. The method of claim 1, wherein the usage status of various channels is obtained by scanning the surrounding channels with a wireless local area network card.
- [c3] 3. The method of claim 1, wherein the number of sub-channels in each channel is set according to a demand.
- [c4] 4. A method of setting operation channel of wireless local area network access point, comprising the steps of: obtaining the occupation status of various channels in a region surrounding respective channels;

dividing each channel into a plurality of sub-channels and computing to determine an in-use weight of each sub-channel according to the occupation status of the channels; and  
selecting the channel with a least total in-use weight to serve as an operation channel of the wireless local area network access point.

- [c5] 5. The method of claim 4, wherein the occupation status of various channels is obtained by scanning the surrounding channels with a wireless local area network card.
- [c6] 6. The method of claim 4, wherein the number of sub-channels in each channel is set according to a demand.